

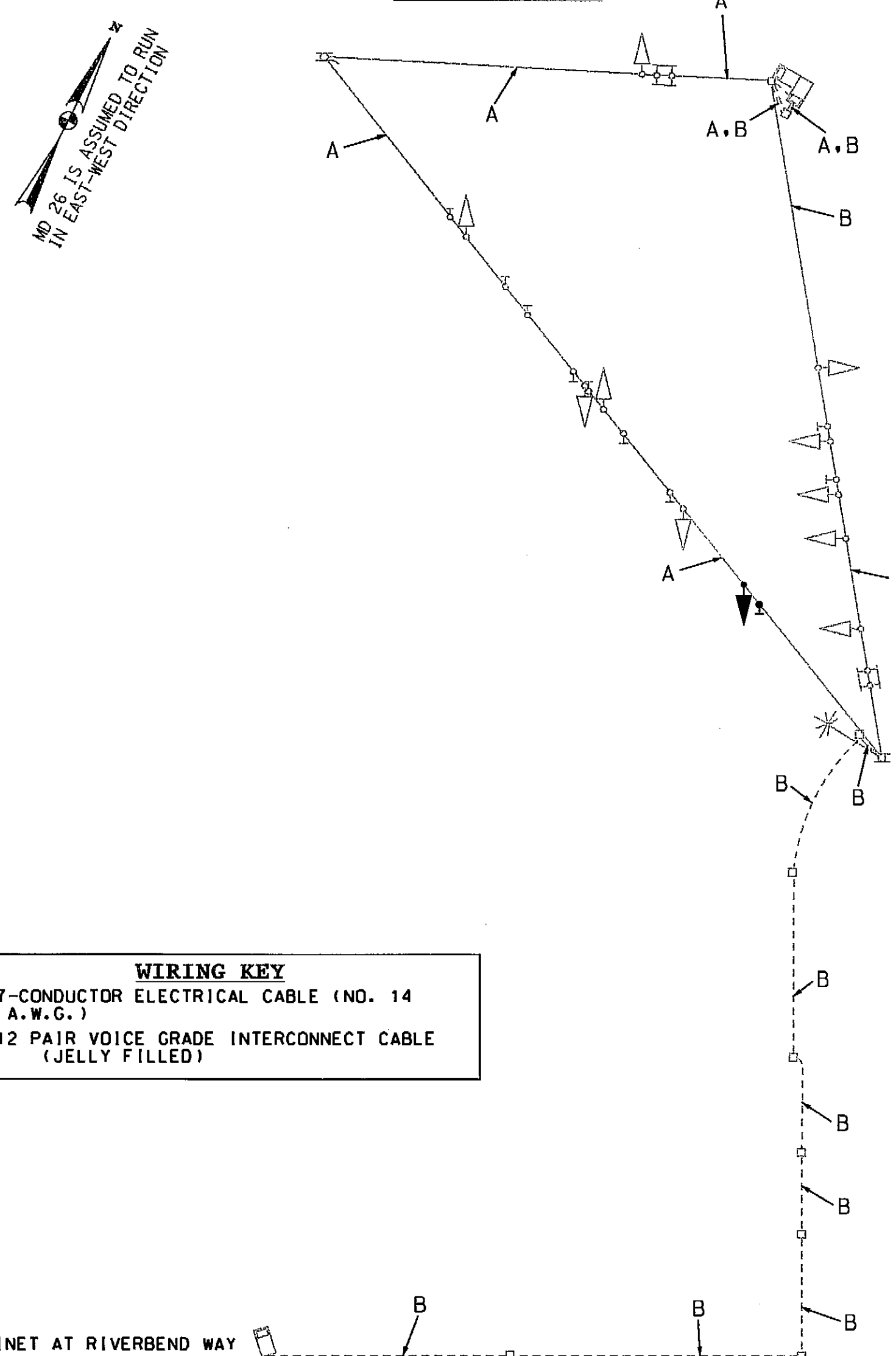
GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED WIRING.
5. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL THE MODIFIED TRAFFIC SIGNAL IS OPERATIONAL.

A. QUANTITIES - TO BE SUPPLIED BY THE ADMINISTRATION
NONE

- B. QUANTITIES - TO BE SUPPLIED AND INSTALLED BY CONTRACTOR
1. 1 - 5 SECTION HEAD WITH 12" LED.
 2. 375 FT OF 7C #14 AWG WIRE.
 3. NEW ECONOLITE CONTROLLER FOR THE INSTALLATION AT MONOCACY BLVD AND RIVERBEND WAY.

WIRING DIAGRAM



WIRING KEY
A - 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B - 12 PAIR VOICE GRADE INTERCONNECT CABLE (JELLY FILLED)

PROJECT CONTACTS

1. DESIGN ENGINEER - VHB INC. CHARLES O'CONNELL (703-847-3071 EXT. 5217)
2. CONTRACTOR - THE BROTHERS SIGNAL CO., KEN LARSON (703-777-5901)
3. GIANT REPRESENTATIVE - MARC A. MARROCCO (617-770-8690)

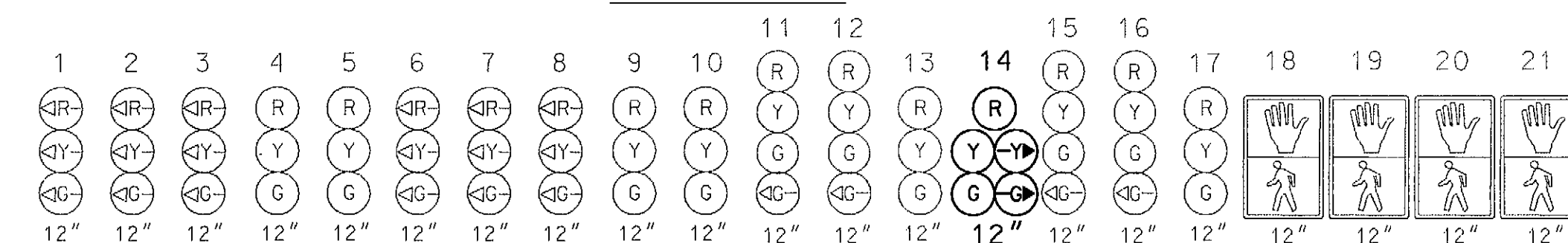
UTILITY LEGEND

SD - STORM DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES
F - FIBER-OPTIC

GEOMETRIC LEGEND

--- EXISTING
=== PROPOSED

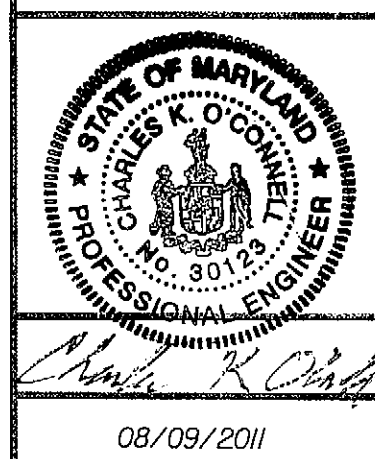
PHASING CHART



PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
PHASE 1 & 5	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	R	G	G	G	G	G	G	G	G	G	G	G	G	G	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 2 & 6	R	R	R	R	R	G	G	G	G	G	G	G	G	R/Y	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	Y	R/Y	R	R	R	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	WALK	WALK	WALK	WALK
PED CLEAR	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

FOR INFORMATIONAL PURPOSES ONLY

THE EXISTING INTERCONNECT CABLE CAN BE TRACED FROM THE EXISTING JUNCTION BOX ADJACENT TO THE CONTROLLER AT THE INTERSECTION OF MD 26 AND MONOCACY BLVD. CONTRACTOR IS RESPONSIBLE FOR UPGRADING THE CONTROLLER AT RIVERBEND WAY/MONOCACY BLVD. TO PROVIDE ECONOLITE HARD WIRE INTERCONNECT FOR THESE TWO SIGNALS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING REVISED SIGNAL TIMINGS FOR BOTH INTERSECTIONS.



08/09/2011



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SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 26 (LIBERTY ROAD) AT
MONOCACY BOULEVARD

TRAFFIC SIGNALIZATION PLAN

SCALE N/A DATE AUGUST 2011 CONTRACT NO. BW996M82

DESIGNED BY CKD COUNTY FREDERICK
DRAWN BY JGJ LOGMILE 10002601.08
CHECKED BY CKD T.I.M.S. NO. K739
F.A.P. NO. N/A TOD NO.

DRAWING NO. 15-3367-0 OF SHEET NO. 2 OF 2